CLAIMS

Having described the invention, what is claimed is as follows:

1. A roof panel rib anchor for attachment to a roof panel rib of a roof panel, the roof panel rib having a rib head supported from the roof panel on a rib base that narrows to a rib neck smaller than the rib head at its intersection with the rib head, the roof panel rib anchor comprising,

first and second opposing anchor sides depending from an anchor top forming a channel within, adapted to receive said roof panel rib head and part of the roof panel rib neck in the channel,

a threaded setscrew penetrating at least one anchor side through a matching threaded hole and separated from the anchor top such that said rib head is receivable in the channel between the setscrews and the anchor top, the setscrews securing the rib head in the channel when received therein, the setscrews intersecting the roof panel rib in the channel at the roof panel rib neck at least partially closing the channel such that said anchor head is prevented from passing out of the channel, the setscrews imparting clamping force on the roof panel rib neck preventing the anchor from sliding on the roof panel rib, threads of the set screw ending intermediate the setscrew, leaving a smooth rod terminating on a rounded setscrew end with a smooth abutment surface spaced apart from the threads by the smooth rod, the rod end integral with its smooth abutment surface blending smoothly and continuously into the smooth rod,

a rib bar adapted to fit within the neck between the roof panel rib neck opposing sides bracing them from collapsing, substantially maintaining the shape and structural integrity of the roof panel under said clamping force.

2. A setscrew for a roof panel rib anchor for attachment to a roof panel rib of a roof panel, the setscrew comprising,

a threaded rod with threads ending intermediate the setscrew,

a rounded setscrew end with a smooth abutment surface,

a smooth rod extending from and coaxial with the threaded rod and terminating on the setscrew end spaced apart from the threaded rod by the smooth rod.

3. The setscrew of claim 2 wherein the setscrew end is integral with the smooth rod with its smooth abutment surface blending smoothly and continuously into the smooth rod without an edge or protrusion or other disruption.